	Type	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	3	(702/34,181,182,183,184.cc ls. or 700/90,108.ccls.) and (estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with (lifetime or life or life with time) with (component$1 or element$1 or part$1 or product$4) and (indices or index) with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 16:13	
2	BRS	7	(702/34,181,182,183,184.cc ls. or 700/90,108.ccls.) and (estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with (lifetime or life or life with time) with (component$1 or element$1 or part$1 or product$4) with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 16:12	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
3	BRS	66	(702/34,181,182,183,184.cc ls. or 700/90,108.ccls..) and (estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with (lifetime or life or life with time) with (component$1 or element$1 or part$1 or product$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 16:11	
4	BRS	4909	702/34,181,182,183,184.ccl s. or 700/90,108.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 16:10	
5	BRS	9	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life and (compar$4 or maps$4 or match$3) with parameter$1 with (indices or index)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 15:42	
6	BRS	35	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life and parameter$1 with (indices or index)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 15:41	

Type	Hits	Search Text	DBs	Time Stamp	Comments
7 BRS	2	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life and (map$4 or match$3) with parameter$1 with (indices or index)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 15:41	
8 BRS	2	unified adj (indices or index) with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2006/09/08 15:04	
9 BRS	10	unified with (indices or index) with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2006/09/08 15:04	
10 BRS	2	unified adj (indices or index) with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2006/09/08 15:04	
11 BRS	10	unified with (indices or index) with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2006/09/08 15:04	
12 BRS	2	unified adj index with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2006/09/08 15:03	

Type	Hits	Search Text	DBs	Time Stamp	Comments
13	IS&R	2	("5842212").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 15:00	
14	BRS	3	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life and parameter$1 with (indices or index) with remain$3 with life	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 14:48	
15	BRS	5	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life with equipment$1 with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 14:47	
16	BRS	24	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life with equipment$1 and parameter$1 and integrat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 14:13	

Type	Hits	Search Text	DBs	Time Stamp	Comments
17 BRS	3	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life with equipment$1 and collect$3 with (data or information) with parameter$1 and integrat$3 with (data or information)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 14:13	
18 BRS	26	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life with equipment$1 and parameter$1 and integrat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 14:13	
19 BRS	3	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life with equipment$1 and collect$3 with (data or information) with parameter$1 and integrat$3 with (data or information)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 14:13	
20 BRS	5	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life with equipment$1 with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 14:08	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
21	BRS	3	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life with equipment$1 with parameter$1 and integrat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 14:08	
22	BRS	3	(estimat$3 or predict$3 or evaluat$3 or validat$3) with remain$3 with life with equipment$1 with parameter$1 with (index or indices)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 14:08	
23	BRS	3	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ and unified with (index or indices)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 14:00	
24	BRS	1	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ and compar$4 with parameter$1 with (adjust$6 or calibrat$3 or compensat$3) with (index or indices)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 14:00	

Type	Hits	Search Text	DBs	Time Stamp	Comments
25 BRS	0	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ and compar$4 with parameter$1 with ag$3 with (adjust$6 or calibrat$3 or compensat$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 13:59	
26 BRS	12	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ and compar$4 with parameter$1 with (adjust$6 or calibrat$3 or compensat$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 13:59	
27 BRS	7	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ and compar$4 with parameter$1 with (index or indices)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 13:58	
28 BRS	31	unified adj index	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 13:16	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
29	BRS	36	unified adj index	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 13:16	
30	BRS	1	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ and (mapping or match$3) with parameter$1 with (index or indices)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 13:02	
31	BRS	3	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ and (map$4 or match$3) with parameter$1 with (index or indices)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 13:01	
32	BRS	34	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ and (map$4 or match$3) with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 13:00	
33	BRS	3	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ and integrat$3 same (map$4 or match$3) with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 12:59	

Type	Hits	Search Text	DBs	Time Stamp	Comments
34	BRS	1	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 and integrat$3 with (map$4 or match$3) with parameter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 12:59	
35	BRS	1	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ same integrat$3 with (map$4 or match$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 12:58	
36	BRS	58	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ and integrat$3 with (map$4 or match$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 12:58	
37	BRS	0	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ with integrat$3 with (map$4 or match$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 12:57	
38	BRS	33	(estimat$3 or evaluat$3 or predict$3 or validat$3) with remain$3 with life$ with integrat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 12:57	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
39	BRS	695	702/108.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2006/09/08 12:56	
40	BRS	51	702/90.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2006/09/08 12:51	
41	BRS	381	702/184.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2006/09/08 12:50	
42	BRS	1079	702/183.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2006/09/08 12:46	
43	BRS	441	702/181.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2006/09/08 12:44	
44	BRS	1482	702/182.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2006/09/08 12:44	

Type	Hits	Search Text	DBs	Time Stamp	Comments
45 BRS	330	702/34.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2006/09/08 12:02	

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval 1 Classif
1	X		US 7088255 B2	20060808		Health monitoring display system for a complex plant	340/635	340/506; 340/507; 702/181; 702/29	702/181
2	X		US 7085684 B2	20060801		System for diagnosing a facility apparatus	702/188	702/183	702/183
3	X		US 7065472 B2	20060620	32	System for aiding the preparation of operation and maintenance plans for a power generation installation	702/184	340/286.0; 1; 700/108; 700/286; 702/179; 702/182; 702/60; 705/412; 73/112	700/108; 702/182; 702/184
4	X		US 7065471 B2	20060620		Method and system for diagnosing state of gas turbine	702/183	700/287; 700/290; 702/182; 702/184; 702/185	702/182; 702/183; 702/184
5	X		US 7039557 B2	20060502		Device and method for the early recognition and prediction of unit damage	702/184	714/30	702/184

	U	l	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
6	X		US 7024870 B2	20060411	49	Method of managing a refrigeration system	62/126	165/11.2; 236/51; 340/585; 702/182; 702/188	702/182
7	X		US 7015713 B2	20060321		Method and apparatus for evaluating a set of electronic components	324/763	324/113; 324/158.1; 700/117; 700/90	700/90
8	X		US 6993178 B2	20060131	29	Lifetime evaluating system of mechanical element and method for the same	382/152	700/175; 702/182; 702/34	702/182; 702/34
9	X		US 6983207 B2	20060103	44	Machine component monitoring, diagnosing and selling system	702/35	700/108; 702/183; 73/462	700/108; 702/183
10	X		US 6978226 B2	20051220	41	Deterioration diagnostic method and equipment thereof	702/183		702/183
11	X		US 6920412 B1	20050719		Real time life models for automatic transmission fluids	702/181	702/156; 73/53.05	702/156; 702/181

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
12	X		US 6907381 B2	20050614		System for aiding the preparation of operation and maintenance plans for a power-generation installation	702/181	60/403; 700/108; 700/286; 702/179; 702/60; 705/412; 73/112	700/108; 702/181
13	X		US 6871160 B2	20050322	15	Intelligent condition-based engine/equipment management system	702/182	700/108; 702/184	700/108; 702/182; 702/184
14	X	X	US 6834256 B2	20041221	12	Method and system for determining motor reliability	702/181	318/565; 702/179; 702/183	702/181; 702/182; 702/184
15	X	X	US 6829515 B2	20041207	8	Method and device for determining changes in technical systems such as electric motors caused by ageing	700/108	700/170; 700/52; 700/73	700/108
16	X		US 6775624 B2	20040810		Method and apparatus for estimating remaining life of a product	702/34	700/175	702/34

	U	1	Document ID	Issue Date	Page s	Title	Current OR	Current XRef	Retrieva 1 Classif
17		X	US 6751577 B2	20040615	48	Degradation diagnostic method, degradation diagnostic mediation device and degradation diagnostic device and computer-readable recording medium on which a program is recorded	702/183	702/180; 702/182; 702/184; 702/185; 702/186; 702/187; 702/188	702/182; 702/183; 702/184
18	X	X	US 6745153 B2	20040601	11	Data collection and manipulation apparatus and method	702/184	340/438; 340/459; 701/29; 701/30; 701/33; 701/35; 702/179; 702/182; 702/183; 702/185; 702/34; 714/31	702/182; 702/183; 702/184; 702/34

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
19	X		US 6741938 B2	20040525		Method for continuously predicting remaining engine oil life	702/23	701/30; 702/183; 702/184; 702/187; 702/189	702/183; 702/184
20	X		US 6736980 B2	20040518		Prognostic health monitoring of fluidic systems using MEMS technology	210/741	210/90; 340/626; 700/273; 702/34; 73/61.67; 95/19	702/34
21	X		US 6735549 B2	20040511	15	Predictive maintenance display system	702/181	701/29	702/181
22	X		US 6718283 B2	20040406	10	Method and apparatus for predicting heater failure	702/183	702/185	702/183

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
23	X		US 6691065 B2	20040210		System for aiding the preparation of operation and maintenance plans for a power generation installation	702/184	340/286.0 1; 340/500; 340/855.8 ; 376/207; 376/241; 700/22; 700/286; 700/291; 702/122; 702/179; 702/188; 702/60; 703/13; 703/18; 703/22	700/108; 702/184
24	X		US 6668240 B2	20031223	51	Food quality and safety model for refrigerated food	702/188	236/51; 340/585; 62/175; 702/130; 702/182	702/182
25	X	X	US 6636813 B1	20031021	32	Service life management system for high-temperature part of gas turbine	702/34	200/79; 702/184; 702/187	702/184; 702/34

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieva 1 Classif
26	X		US 6594533 B2	20030715		System and method for performing electronic triage of a turbine part	700/90		700/90
27	X		US 6567752 B2	20030520	16	General method for tracking the evolution of hidden damage or other unwanted changes in machinery components and predicting remaining useful life	702/34	702/116	702/34
28	X		US 6490543 B1	20021203		Lifeometer for measuring and displaying life systems/parts	702/184	340/457.4 ; 701/30	702/184
29	X		US 6460012 B1	20021001		Nonlinear structural crack growth monitoring	702/182	702/183; 702/35; 73/760; 73/799; 702/42; 702/43; 702/182; 702/183	702/182; 702/183
30	X	X	US 6424930 B1	20020723	16	Distributed processing system for component lifetime prediction	702/184	340/505; 340/511; 702/182; 702/188	702/182; 702/184

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
31	X		US 6411908 B1	20020625	11	Condition-based prognosis for machinery	702/34	700/21; 700/79; 702/181; 702/182; 702/35; 702/81	702/181; 702/182; 702/34
32	X		US 6351713 B1	20020226	16	Distributed stress wave analysis system	702/42	702/181	702/181
33	X		US 6047241 A	20000404	16	Method of selective corrosion rate analysis for a fluid processing plant	702/34	376/305; 702/179; 702/36; 73/804	702/34
34	X		US 6009404 A	19991228		Method and device for cost-orientated operation of a conditioning device particularly a filter	705/7	210/106; 210/791; 702/34; 705/400	702/34

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieva 1 Classif
X	US A	5608845	19970304	24	Method for diagnosing a remaining lifetime, apparatus for diagnosing a remaining lifetime, method for displaying remaining lifetime data, display apparatus and expert system	706/45	702/34	702/34
X	X US A	5210704	19930511	40	System for prognosis and diagnostics of failure and wearout monitoring and for prediction of life expectancy of helicopter gearboxes and other rotating equipment	702/34	706/912	702/34

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieva 1 Classif
37	X		US 5140528 A	19920818	14	Method for evaluating relationship between the size of discontinuity indications from non-destructive examination of a turbine rotor, stress applied to the rotor and remaining life of the rotor	702/34		702/34
38	X		US 4718027 A	19880105		Dynamically adjustable linear data discriminator	702/181	367/30; 367/47; 700/74; 702/6	702/181
39			US 2006010654 9 A1	20060518	14	METHOD FOR ESTIMATING DAMAGE TO AN OBJECT, AND METHOD AND SYSTEM FOR CONTROLLING THE USE OF THE OBJECT	702/34		702/34
40	X		US 2006010082 2 A1	20060511		Recycable electric junction box applicable to automotive vehicles	702/182		702/182

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieva 1 Classif
41	X		US 20060025936 A1	20060202		Method of estimating oxidation progression in coated turbine components	702/34		702/34
42	X		US 20050246068 A1	20051103		System for aiding the preparation of operation and maintenance plans for a power generation installation	700/287	702/34	
43	X		US 20050165583 A1	20050728		REAL TIME LIFE MODELS FOR AUTOMATIC TRANSMISSION FLUIDS	702/184		702/184
44	X	X	US 20050143956 A1	20050630	47	Equipment component monitoring and replacement management system	702/184		702/184
45	X		US 20050049835 A1	20050303		Device and method for the early recognition and prediction of unit damage	702/184		702/184

	U	l	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
46	X	X	US 2005003355 7 A1	20050210	18	SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR ASSESSING THE HEALTH OF AN ELECTRIC MOTOR	702/184		702/184
47	X		US 2004026051 2 A1	20041223	11	Method for estimating damage to an object, and method and system for controlling the use of the object	702/182		702/182
48	X		US 2004025476 4 A1	20041216	25	Managing maintenance for an item of equipment	702/184		702/184
49	X		US 2004018136 9 A1	20040916		System for aiding the preparation of operation and maintenance plans for a power-generation installation	702/184		702/184

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieva l Classif
50	X		US 20040148813 6 A1	20040729	84	Management supporting apparatus, management supporting system, management supporting method, management supporting program, and a recording medium with the program recorded therein	702/188	702/184	702/184
51	X		US 20040148813 2 A1	20040729		System for aiding the preparation of operation and maintenance plans for a power generation installation	702/184	702/61	702/184
52	X		US 20040148812 9 A1	20040729		Method and system for diagnosing state of gas turbine	702/183	702/115	702/183

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieva 1 Classif
53	X		US 2004007340 0 A1	20040415	6	Method for managing lifespans of high temperature gas turbine components and its implementation through computer program	702/181		702/181
54	X		US 2004004449 9 A1	20040304	12	Method and system for determining motor reliability	702/181		702/181
55	X		US 2003021688 8 A1	20031120	16	PREDICTIVE MAINTENANCE DISPLAY SYSTEM	702/181		702/181
56	X	X	US 2003013534 9 A1	20030717	26	System for diagnosing facility apparatus, managing apparatus and diagnostic apparatus	702/183		702/183
57	X		US 2003010101 9 A1	20030529	11	Method and device for determining the remaining serviceable life of a product	702/182		702/182

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
X		US 20030078741 A1	20030424		Method and apparatus for estimating remaining life of a product	702/34		702/34
X		US 20030074244 A1	20030417	31	Distributed energy technology assurance	705/7	702/183; 705/412	702/183
X		US 20020165691 A1	20021107	10	Method and apparatus for predicting heater failure	702/181		702/181
X	X	US 20020143421 A1	20021003	24	Performing predictive maintenance on equipment	700/100	700/104; 700/108; 700/96	700/108
X	✓	US 20020120426 A1	20020829	45	Degradation diagnostic method, degradation diagnostic mediation device and degradation diagnostic device and computer-readable recording medium on which a program is recorded	702/183		702/183

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
63	X	X	US 20020107589 A1	20020808	9	Method and device for determining changes in technical systems such as electric motors caused by ageing	700/90	700/170; 700/54	700/90
64	X		US 20020072878 A1	20020613	40	Deterioration diagnostic method and equipment thereof	702/183		702/183
65	X		US 20020046004 A1	20020418	13	General method for tracking the evolution of hidden damage or other unwanted changes in machinery components and predicting remaining useful life	702/183	702/185	702/183
66	X		US 20020038199 A1	20020328	18	Embedded system for diagnostics and prognostics of conduits	702/183		702/183